Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/07/2021 09:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122627	-2	6.69	122465	6.79
Blue	F	SSC	125000	122681	-2	7.35	123148	7.26
Blue	E	FITC	13131	12481	-5	7.38 (1)	287	19.18
Blue	D	PE	24112	23347	-4	7.32	535	13.87
Blue	B	PerCP-Cy5-5	31295	29811	-5	7.89	988	17.83
Blue	A	PE-Cy7	19939	19622	-2	9.98	522	34.93
Red	C	APC	42122	40779	-4	4.06	1721	12.56
Red	A	APC-Cy7	22340	21659	-4	4.97	807	13.5
Violet	B	V450	7410	7104	-5	6.7 (2)	434	14.72
Violet	A	V500	28118	27501	-3	6.49	689	12.3

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22127	6.06	602	33	N/A	N/A	Pass
Blue	F	SSC	55501	6.86	533	21	N/A	N/A	Pass
Blue	E	FITC	52	60.11	499	12	0.0287	100	Pass
Blue	D	PE	111	43.72	503	15	0.3616	422	Pass
Blue	B	PerCP-Cy5-5	179	41.51	602	16	0.0153	64	Pass
Blue	A	PE-Cy7	101	81.44	652	24	0.0162	5	Pass
Red	C	APC	392	25.42	583	7	0.0225	76	Pass
Red	A	APC-Cy7	179	29.86	561	10	0.0047	519	Pass
Violet	B	V450	61	68.05	467	14	0.0461	2041	Pass
Violet	A	V500	98	40.85	479	14	0.0206	1216	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector E, for Blue Laser is greater than recommended value.
(2) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.24	-31.11	1.00
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	14.33	13.60 - 20.40	N/A	N/A	29.55	29.76	1.25

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10363

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments